



## TREES 30 TO 100 FEET IN HEIGHT

Plant Name	Zone	Sun	Part Sun	Shade	Wet	Moist	Dry	Sandy
<b>Deciduous</b>								
Basswood	3	X	X	X		X		
Beech	3	X				X		
Bigtooth Aspen	4	X				X	X	X
Box Elder	4	X	X		X	X	X	
Cottonwood	4	X				X		
European Alder	4	X	X		X			
Green Ash	3	X	X		X	X	X	
Honey Locust	5	X			X	X		
Katsura Tree	5	X	X			X		
Littleleaf Linden	3	X				X	X	
Mountain Ash	3	X					X	X
Northern Red Oak	3	X				X	X	
Paper Birch	3	X				X	X	
Quaking Aspen	3	X				X	X	
Red Maple	3	X	X		X	X	X	
River Birch	4	X			X	X	X	
Silver Maple	3	X			X	X		
Sugar Maple	3	X				X		
Swamp White Oak	4	X			X	X		
Weeping Willow	3	X			X	X		
White Ash	3	X				X		
Yellow Birch	3		X	X		X		
<b>Evergreen</b>								
Austrian Pine	4	X				X	X	
Balsam Fir*	3	X	X		X	X		
Black Spruce	3	X			X	X		
Colorado Blue Spruce	3	X				X		
Hemlock*	3	X	X	X		X		
Japanese Black Pine	5	X				X	X	X
Larch (Tamarack)	3	X			X	X		
Norway Spruce	3	X				X	X	
Red Pine	3	X				X	X	X
White Cedar*	3	X	X		X	X		X
White Pine	3	X	X	X		X	X	
White Spruce	3	X	X			X	X	

\* also available in dwarf forms

See page 3, Terms & Abbreviations, for explanation of column headings

## TREES

### 30 TO 100 FEET IN HEIGHT



#### DECIDUOUS



**Basswood** (*Tilia americana*) Also known as Linden. Grows 60 to 80 feet. A lush, ornamental shade tree with large leaves and fragrant white flowers in summer. Sun to shade. Rich, moist soil. Not tolerant of salt. **Zone 3 N**

**Beech** (*Fagus grandifolia*) Grows to 70 feet. Has a short trunk with a wide, rounded crown and smooth bark. Attractive, light-green leaves create dense shade. Leaves hang on after turning yellow to brown in the fall. Full sun. Rich, moist soil. Good for birds. **Zone 3 N**

**Bigtooth Aspen** (*Populus grandidentata*) Grows to 60 feet with a narrow, round-topped crown. Leaves flutter in the wind like quaking aspen. Rapid growth. Full sun. Does best in rich, moist, sandy soil but tolerates drier soils. Good for birds. **Zones 3-4 N**

**Box Elder** (*Acer negundo*) Grows to 50 feet with a 30 foot spread. Short trunk and stout branches provide a deep, broad crown. Compound leaves. Rapid growth. Full to part-sun. Moist soil. Found naturally along stream and lake edges. Used as an ornamental in parks and along roads. **Zone 4 N**



**Cottonwood** (*Populus deltoides*) Grows to 80 feet with a high, pyramidal crown. Large leaves. Cottony seeds evident in late spring. Rapid growth. Full sun. Moist soil. Found in rich, moist soil near streams and lakes. Good for grouse. Branches may break in storms. **Zone 4**

**European Alder** (*Alnus glutinosa*) Grows to 60 feet. Used as an ornamental. Rapid growth. Full to part-sun. Tolerates poor drainage and wet soil. Interesting catkins. **Zone 4**

**Green Ash** (*Fraxinus pennsylvanica*) Grows to 60 feet. Attractive shade tree. Compound leaves. Rapid growth. Full to part-sun. Dry to wet soil. Tolerates flooding and salt. Found along rivers and streams. Yellow fall color. **Zone 3 N**

**Honey Locust** (*Gleditsia triacanthos*) Grows to 80 feet (50 in Northern New England) with a broad, flat-topped crown. Compound leaves are graceful and lacy. Long, interesting seed pods. Thorns on trunk and branches. Full sun. Moist, fertile soil. Tolerates poor drainage and salt. Yellow fall color. **Zones 4-5**



**Katsura Tree** (*Cercidiphyllum japonicum*) Grows to 60 feet with a 30 foot spread. Nice form. Used as an ornamental. Bluish-green leaves are orange and smell spicy in fall. Full sun. Moist, well-drained soil. **Zones 4-5**

**Littleleaf Linden** (*Tilia cordata*) Grows to 50 feet with a 35 foot spread and an upright, oval crown. Dark-green leaves and fragrant, yellow flowers in early summer. Full sun. Adaptable to a variety of soils and conditions. **Zone 3**

**Mountain Ash** (*Sorbus alnifolia* & *aucuparia*) These are similar to ornamental mountain ashes. Grow from 35 to 50 feet with a 20 foot spread (larger than the American Mountain Ash). Fine, compound leaves turn from green to varying shades of brilliant yellow to red in the fall. Clusters of white flowers in spring, followed by red berries in fall. Full to part-sun. Moist soil. Good for birds. **Zone 3**



**Northern Red Oak** (*Quercus rubra*) Grows to 70 feet with a similar spread. A 'grand tree' with reddish-brown bark and dark-green leaves. Leaves are brown and persistent into late fall. Rapid growth. Full sun. Moist to dry soil. **Zone 3 N**



**Paper Birch** (*Betula papyrifera*) Also called White Birch. Grows to 70 feet with a 35 foot spread and an irregular, pyramidal crown. Often found in clumps of 3 or more and used ornamentally. Interesting snow-white bark that peels horizontally. Found along lakes and streams. Tolerates occasional flooding and drought. Rapid growth. Full sun. Does best in moist, well-drained soil. Good for birds. **Zone 3 N**

**Quaking Aspen** (*Populus tremuloides*) Also called Popple. Can grow to 60 feet but usually less. Narrow, rounded crown. Nice yellow to gold fall color. Leaves quiver in the breeze, making a soft rustling sound. Rapid growth. Short-lived. Full sun. Moist to dry soil. Tolerates a wide variety of conditions. Tolerates heat and some salt. Not flood tolerant. Good for wildlife and birds. Likely to lose trees if active beavers in the area. Found in and in old fields. **Zone 3 N**



Preferred food of beavers.  
clearcuts, after fires

**Red Maple** (*Acer rubrum*) Grows to 60 feet with a 35 foot spread. Nice early red spring flowers and good red fall color. Used as an ornamental. Rapid growth. Full to part-sun. Prefers moist, acid soil but tolerates a wide variety of conditions. Tolerates wet soil and flooding. Not salt tolerant. Found along swamps and lakes. **Zone 3 N**

**River Birch** (*Betula nigra*) Also can be found in a dwarf variety. Grows to 70 feet with a 50 foot spread. Short trunk is often divided into several arching limbs forming an irregular crown. Gray to brownish-red bark is attractive in winter. Full sun. Best in moist soil. Tolerates poor drainage and flooding. Found along river and lake banks. **Zones 4-5 N**

**Silver Maple** (*Acer saccharinum*) Grows to 70 feet or more with a 45 foot spread. Attractive tree with graceful, arching branches. Bright-green leaves have a silvery-white underside. Good yellow fall color. Rapid growth. Full sun. Best on moist, well-drained soil but tolerates several weeks of flooding. Found along river banks and bottom lands. Used ornamentally. Good for birds and wildlife. **Zone 3 N**

**Sugar Maple** (*Acer saccharum*) Grows to 80 feet or more with a 40 foot spread. Good shade tree with classic shape if grown in the open. Excellent yellow to red fall color. Full sun best but tolerates some shade. Moist, well-drained soil. Does not tolerate wet or compacted soil. Sensitive to salt. Found in upland areas throughout New England. **Zone 3 N**



**Swamp White Oak** (*Quercus bicolor*) Grows to 60 feet with similar spread. Produces quantities of acorns. Poor fall color. Full sun. Moist to wet soil. Scraggy, peeling branches make it less appealing as an ornamental but its value lies in its tolerance of swampy, poorly-drained conditions. Good for wildlife. **Zones 4-5 N**

**Weeping Willow** (*Salix alba* var. *Tristis* or *Salix babylonica* or *Salix niobe*) Grows to 70 feet with a similar spread. Graceful, drooping branches with long, slender leaves with pale, silvery undersides. Interesting ornamental or specimen tree. Drops a lot of leaves and branches. Rapid growth. Full sun. Moist to wet soils. **Zone 3**

**White Ash** (*Fraxinus americana*) Grows to 80 feet. A tall, slender tree with good yellow fall color. In the open the tree can become quite spreading. Compound leaves. Rapid growth. Full sun. Best on moist, well-drained soil but tolerates poor drainage and heavy soil. Often found growing near water. Good for birds. **Zone 3 N**

### **Yellow Birch**

(*Betula alleghaniensis*)

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Grows to 80 feet  
with a 50 foot



spread. Attractive golden, peeling bark on older specimens. Part-sun to shade. Moist soil. Found in streams. Good for birds. **Zone 3 N**

**EVERGREEN**



**Austrian Pine** (*Pinus nigra*) Grows to 100 feet with a 30 foot spread. A large, wide, dense tree with long, dark-green needles. Branches occur down to the base of the trunk. Large, interesting cones. Full sun. Moist to dry soil. **Zone 4**

**Balsam Fir** (*Abies balsamea*) Grows to 50 feet with a 25 foot spread. Straight, conical tree with horizontal branches. Typical Christmas tree shape. Short, dark-green, fragrant needles. Small, light-brown cones. Also available in dwarf forms. Sun to part-sun. Prefers cool, moist, upland soil. Good for wildlife and birds. **Zone 3 N**



**Black Spruce** (*Picea mariana*) Grows to 50 feet. A very narrow, straight tree with thin, somewhat pendulous branches. Short, blue-green needles and small cones. Full sun. Moist soil. Tolerates poor, poorly-drained, swampy conditions. Good for birds and small wildlife. **Zone 3 N**

**Colorado Blue Spruce** (*Picea pungens*) Many varieties available with different heights. Grows to 100 feet with a 20 foot spread. A tall, narrow tree with dense, silver-blue to blue-green foliage. Needles are medium-length and sharp. Branches occur in regular whorls. Very ornamental. Full sun. Prefers moist soil but will do well in dry areas also. Good for birds. Native to the Rockies. **Zone 3**

**Hemlock** (*Tsuga canadensis*) Grows to 80 feet with a 30 foot spread. Large, irregular, pyramidal tree. Small, deep-green needles with a loose, feathery appearance. Graceful appearance. Small, interesting cones. Also available in dwarf forms. Sun to shade. Does best in cool, moist, well-drained soil. Tolerates shade and some flooding. **Zone 3 N**

**Japanese Black Pine** (*Pinus thunbergii*) Can grow to 80 feet but usually only to 50. Irregular open habit with wide-spreading, horizontal branches. Bright-green needles and attractive brown cones. Full sun. Sandy, acid soil. Salt tolerant. Drought tolerant. Good for shore plantings. **Zone 5**

**Larch** (*Larix laricina*) Also called Tamarack and Hackmatack. Grows to 65 feet. A narrow, upright open tree with horizontal branches and graceful, sweeping twigs. Fine, light-green needles with a lacy appearance turn yellow in fall and drop off (not really an evergreen). Full sun. Prefers moist soil but tolerates poor, wet soil and flooding. Found in wetlands. **Zone 3 N**

**Norway Spruce** (*Picea abies*) Grows to 100 feet. Tall, dense, attractive, conical tree with drooping branches and branchlets. Can be 30 feet across at the base. Makes an excellent windbreak. Many varieties available. Full sun. Moist soil. Good for birds and wildlife. **Zone 3**



**Red Pine** (*Pinus resinosa*) Also called Norway Pine. Grows to 80 feet. Large, handsome, straight tree with horizontal branching, often limited to the top third of the tree in older specimens. Long, dark-green, stiff needles and nice cones. Interesting, reddish bark. Rapid growth. Full sun. Best in dry, sandy soil. Tolerates poor soil. Found on dry, rocky ridges. First discovered near Norway, Maine. **Zone 3 N**





**White Cedar** (*Thuja occidentalis*) Also called Arbor Vitae. Grows to 60 feet and 25 feet across at the base.. A dense, oval or pyramidal tree with flat, green, aromatic foliage. Makes a good hedge and windbreak. Can be sheared but has an attractive form on its own. Many varieties available, including dwarf forms. Sun to part-sun. Moist soil best. Tolerates dry, sandy to wet soils. Tolerates flooding and occasional drought. Found in wet soils and swampy areas. Good for birds and wildlife. **Zone 3 N**

**White Pine** (*Pinus strobus*) Grows to 100 feet with a 40 foot spread. A large, open tree with horizontal branching. Branches occur to the base in open-grown specimens. Long, soft, blue-green needles give softer overall appearance than Red Pine. Several varieties available. Can be pruned to hedges and windbreaks. Rapid growth. Sun to part-sun. Moist soil best but tolerates dry soil. Does not tolerate salt or flooding. Good for birds and wildlife. **Zone 3 N**

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**White Spruce** (*Picea glauca*) Grows to 65 feet. A large, conical tree with horizontal branching and dark-green to bluish foliage. Broader and fuller than black spruce. Slow growth and a somewhat disagreeable odor when needles are bruised. Makes a good windbreak. Several forms available. Full sun. Moist soil. Tolerates a variety of conditions. Common on lake shores. Good for birds and wildlife. **Zone 3 N**

